

Title (en)

METHOD AND DEVICE FOR DATA TRANSMISSION BETWEEN REGISTER FILES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DATENÜBERTRAGUNG ZWISCHEN REGISTERDATEIEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRANSMISSION DE DONNÉES ENTRE FICHIERS DE REGISTRE

Publication

**EP 2696280 A4 20170125 (EN)**

Application

**EP 11863045 A 20110822**

Priority

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Abstract (en)

[origin: EP2696280A1] The present disclosure discloses a method and device for data transmission between register files. The method includes that: data in a source register file are read at a Stage i of a pipeline; and the read data are transmitted to a destination register file using an idle instruction pipeline. With the method of the present disclosure, data and mask information are transmitted using an idle instruction pipeline, without addition of extra registers for data and control information buffering, thus reducing logic consumption as well as increasing utilization of an existing functional unit.

IPC 8 full level

**G06F 9/38** (2006.01)

CPC (source: EP KR US)

**G06F 9/30032** (2013.01 - EP US); **G06F 9/30079** (2013.01 - US); **G06F 9/3013** (2013.01 - EP US); **G06F 9/38** (2013.01 - KR); **G06F 9/3867** (2013.01 - EP US)

Citation (search report)

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- [A] US 2009307656 A1 20091210 - EICHENBERGER ALEXANDRE E [US], et al
- [A] GB 2390700 A 20040114 - ALPHAMOSAIC LTD [GB]
- See references of WO 2012136037A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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